

ABSTRACT OF THE DISCLOSURE

An auxiliary valve positioned in an intake passageway of a four-cycle internal combustion engine for controlling the flow of air/fuel mixture into a combustion chamber includes a through passage, the through passage defined by a top wall, a bottom wall, and  
5 opposing side walls; a swingable door openable and closable in relation to the through passage; and a spring loaded assembly biasing the swingable door closed.